

CLAIMS

1. A quick-change material module of a stencil wiper assembly for wiping a stencil of a stencil printer, the module comprising:
5 a supply roller to receive a roll of material;
a take-up roller to receive used material; and
a drive to move the material across the stencil between the supply roller and the take-up roller;
wherein the supply roller is constructed and arranged to move between an operating
10 position in which the module functions to wipe the stencil and a changing position in which the supply roller is accessible to change the roll of material.
2. The module set forth in claim 1 further comprising pivot means for pivoting the supply roller between the operating and changing positions.
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3. The material module set forth in claim 2 further comprising a frame to support the supply roller, the take-up roller, and the drive.
4. The module set forth in claim 3, said pivot means comprising at least one
20 pivot arm having one end rotatably attached to the supply roller and an opposite end pivotably attached to the frame.
5. The module set forth in claim 4, said pivot means further comprising a cam member provided on one end of the supply roller and a cam slot provided on the frame to
25 receive the cam member therein.
6. The module set forth in claim 5, the frame being constructed and arranged to enable the module to move linearly with respect to the wiper assembly, the cam member following along in the cam slot upon movement of the module to pivot the supply roller from
30 the operating position to the changing position.

7. The module set forth in claim 4, said pivot means further comprising an actuator for effecting the pivoting of the supply roller between the operating and changing positions.

8. The module set forth in claim 7, the actuator comprising a piston assembly having one end pivotably attached to the pivot arm and an opposite end secured to the frame.

9. The module set forth in claim 1 further comprising a fluid delivery assembly for wetting the material.

10. A quick-change material module of a stencil wiper assembly for wiping a stencil of a stencil printer, the module comprising:
a supply roller to receive a roll of material;
a take-up roller to receive used material;
a drive to move the material across the stencil between the supply roller and the take-up roller; and

means for moving the supply roller between an operating position in which the module functions to wipe the stencil and a changing position in which the supply roller is accessible to change the roll of material.

11. The module set forth in claim 10 further comprising a frame to support the supply roller, the take-up roller, and the drive.

12. The module set forth in claim 11, said moving means comprising at least one pivot arm having one end rotatably attached to the supply roller and an opposite end pivotably attached to the frame.

13. The material module set forth in claim 12, said moving means further comprising a cam member provided on one end of the supply roller and a cam slot provided on the frame to receive the cam member therein.

14. The module set forth in claim 13, the frame being constructed and arranged to enable the module to move linearly with respect to the wiper assembly, the cam member following along in the cam slot upon movement of the module to move the supply roller from the operating position to the changing position.

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15. The module set forth in claim 12, said moving means further comprising an actuator to effect the movement of the supply roller between the operating and changing positions.

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16. The module set forth in claim 15, the actuator comprising a piston assembly having one end pivotably attached to the pivot arm and an opposite end secured to the frame.

17. The module set forth in claim 10 further comprising a fluid delivery assembly for wetting the material.

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18. A method for changing a roll of material within a quick-change material module of a stencil wiper assembly designed to wipe a stencil of a stencil printer, the method comprising:

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moving the material between a supply roller and a take-up roller; and
pivoting the supply roller between an operating position in which the module functions to wipe the stencil and a changing position in which the supply roller is accessible to change the roll of material.

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19. The method set forth in claim 18 further comprising changing the roll of material.

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20. A stencil printer comprising:
a stencil;
a material applicator to apply material on the stencil; and
a stencil wiper assembly to selectively wipe the stencil, the stencil wiper assembly having a quick-change material module comprising
a supply roller to receive a roll of paper,
a take-up roller to receive used paper,

a drive to move paper across the stencil between the supply roller and the take-up roller, and

means for moving the supply roller between an operating position in which the module functions to wipe the stencil and changing position in which the supply roller is accessible to change the roll of paper.

21. The stencil printer set forth in claim 20, said module further comprising a frame to support the supply roller, the take-up roller, and the drive, and said moving means comprising at least one pivot arm connecting the supply roller to the frame.